SONY

VGN-TT190EIN

VAIO® TT Series Notebook

A new grade in mobility

MOBILE PC PERFORMANCE

Enjoy the performance of Intel® Centrino® processor technology with an Intel® Core™ 2 Duo SU9300 processor (1.20GHz[1]) with 3MB of L2 cache and 2GB of pre-installed system memory.

The VAIO® TT series notebook comes pre-installed with Genuine Microsoft® Windows Vista® Home Premium 32-bit with SP1.

11.1"[5] display with XBRITE-DuraView™ technology with LED backlight for a brighter LCD with 100% color saturation and scratch-resistant coating.

ULTRAPORTABLE AND ELEGANT DESIGN

Thin and lightweight, weighing in at only 2.87 lbs.

The VAIO® TT notebooks feature a radiant Champagne gold hue inside and out. This alluring color lends luxury to the notebook's already elegant design, drawing special attention to its rolling interior curves and seamless keyboard panel.

Top to bottom carbon-fiber casing delivers an elegant look and enhanced durability.

Active Noise Cancelling technology and supplied headphones provide crystal-clear audio in noisy mobile scenarios.

WIRELESS FREEDOM

Offering a massive boost in wireless connection speed and range with 802.11n integrated wireless LAN technology[3].

Stereo Bluetooth® technology[14] for wirelessly connecting to useful peripherals and streaming CD-quality audio.

The ultraportable VAIO® TT notebook establishes a new grade in mobility with its thin-and-light design in a radiant champagne gold casing. What's more, this PC with a stunning 11.1"[5] LCD offers industry-leading mobile performance, balancing the power of Intel ® Centrino® 2 processor technology with a host of energy-conserving features that deliver maximum battery life.

Performance to go

Windows Vista Home Premium

G-SENSOR

XBRITE-DuraView

ENERGY STAR

RoHS COMPLIANT

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VAIO® TT Series Notebook

Specifications

General

Computer Type: Notebook
Type of Use: Ultra Portable
Action Buttons: Mute, Volume - / +, S1, Eject, WLAN / Bluetooth® on / off
Pointing Device: Electro-static touch pad
Security: Biometric Fingerprint Sensor Trusted Platform Module (TPM) TCG Ver.1.2 compliant

Hardware

Keyboard: QWERTY, 82 keys, 17mm pitch, 2mm stroke
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo Processor SU9300
Speed: 1.20 GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 3MB
Technology: Intel® Centrino® 2 processor technology

Memory

Type: DDR3
Installed: 2GB PC3-6400 (2GBx1)
Maximum: 4GB[15]
Speed: 800MHz

Hard Drive

Capacity: 160GB[2]
Speed: 5400rpm
Interface: SATA
Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 16x max.
CD-RW Write: 10x max.
DVD±RW: Yes (DVD±RW/±R DL/RAM Drive)
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality One ExpressCard® /34 slot One Secure Digital (SD™ memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen or Display Technology: WXGA
Screen Size: 11.1"[5]
Resolution: 1366 x 768
XBRITE-DuraView™ Technology: Yes
Back Light Technology: LED

Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology Total Available Graphics Memory: 790MB (max.)[9]
Chipset: Mobile Intel® GS45 Express Chipset
Interface: HDMI™ and VGA out with Smart Display Sensor

Inputs and Outputs

HDMI™ Connection Output(s): 1[4]
Headphone Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[8]
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)
Ethernet Speed: Fast Ethernet (RJ-45)
Wireless LAN: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology[14]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS14/S)
Power Requirements: 68W + 10%
Input Voltage: 100-240V

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium 32-bit with SP1
Internet Services: AOL® 90-Day Risk Free Trial - For new users only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[12]
The VAIO® Software Experience: VAIO® Startup Assistant Click to Disc Editor - Import, Edit, Burn VAIO® Movie Story - Simple Movie Creation VAIO® MusicBox - Music by Mood VAIO® Media plus - Multimedia Streaming Software *Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Anti-Virus & Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version[13]

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11].
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[10]. See actual warranty for details.

Environmental Information

RoHS®: Compliant For more information: www.sony.com/vaioeco

Dimensions

Weight: 2.87 lbs.[7]
Measurements: 10.99"(W) x 0.93"(H) x 7.87"(D)[6,7]

Supplied Accessories

Noise-Canceling Headphones
Power Cord
AC Adapter (VGP-AC16V13)
Standard Capacity Lithium-ion Battery (VGP-BPS14/S)

Optional Accessories

Large Capacity Battery (VGP-BPL14/S)
Stick AC Adapter (VGP-AC16V10)
Port Replicator (VGP-PRTT1)
Leather Notebook Cover (VGP-CVTT1/B)
Neoprene Case (VGP-AMC6)
Bluetooth® Laser Mouse[14] (VGP-BMS33/NJ)
Bluetooth® Presentation Controller[14] (VGP-BRMP10)
USB Portable Speaker (VGP-USP1)
Privacy Filter (VGP-FL13)

Color: Champagne Gold
UPC Code: 27242756076

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
5. Viewable area measured diagonally.
6. Non-metric weights and measures are approximate and may vary.
7. Measured at the narrowest point.
8. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
9. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition, driver software version and system memory size.
10. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
11. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
13. Microsoft® Windows Live™ OneCare™ Trial Version - This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.
14. Interoperability and compatibility among Bluetooth® devices varies.
15. A portion of the system memory over 3GB may not be available to the operating system.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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Printed 09/08.